

The Matrix

		terrain				safety	cost	technology level	transition time
		mud	sand	water	pavement				
wheel number	2	bad	bad	ok	good	mid	low	low	
	3	ok	ok	good	good	mid	mid	mid	
	4	good	good	ok	ok	high	high	high	
frame	wood	mid	mid	good	good	mid	low	mid	
	bolted metal	mid	mid	mid	good	low	mid	mid	
	welded metal	good	good	good	good	high	high	high	
steering	tiller				ok	high	low	low	
	wheel				good	mid	mid	high	
	cable								
	articulated								
	front								
	rear								
drive	front								
	rear								
	all								
gears	bike						low	low	
	other?						high	mid	
brakes	band					mid	low	low	
	disc					high	high	mid	
	drum					mid	mid	mid	
wheel width	narrow	bad	bad		good		mid	mid	
	wide	good	good		bad		high	high	
wheel height	tall	good	good	good	good		high	high	
	short	mixed	bad	bad	bad		mid	mid	
bearings	ball	sealed-ok	sealed-ok		good		high	high	
	bushing	good	good		mid		mid	mid	
flotation	inflatable			mid		mid	high	mid	bad
	foam			good		high	mid	low	mid
	hull			good		mid	mid	high	good
water propel	paddle wheel			good				mid	mid
	propeller			good				high	mid
	oars			bad				low	good
	paddles			bad				low	good